

**WHAT IS CLAIMED IS**

5        1. A liquid crystal display for testing defects of wiring  
in panel, comprising:

10        a TFT array unit comprising a plurality of gate lines  
and data lines formed in a matrix shape, having TFT  
transistors at the intersection of the gate line and the data  
line;

15        a data pad unit commonly connected to the plurality of  
data lines, receiving signals for driving the data lines; and

20        a wiring unit for testing defects of data line,  
connected between the data pad unit and the data line,  
testing disconnection and short of the data line.

25        2. The liquid crystal display according to claim 1,  
wherein the data pad unit comprising a first data pad unit  
commonly connected between odd data lines of the plurality of  
data lines, receiving signals for driving the odd data lines  
and a second data pad unit commonly connected between even  
data lines of the plurality of data lines, receiving signals  
for driving the even data line.

3. The liquid crystal display according to claim 2, wherein the wiring unit for testing defects of data line comprises a first wiring unit for testing defects of data line connected between the first data pad unit and the odd data line, testing disconnection and short of the odd data line and a second wiring unit for testing defects of data line connected between the second data pd unit and the even data line, testing disconnection and short of the even data line.

4. The liquid crystal display according to claim 3, wherein the first and the second wiring units for testing defects of data line are formed in a zigzag shape.

5. The liquid crystal display for testing defects of wiring in panel comprising:

a TFT array unit comprising a plurality of gate lines and data lines formed in a matrix shape, having TFT transistors at the intersection of the gate line and the data line;

a gate pad unit commonly connected between the plurality of gate lines, receiving signals for driving the gate line; and

a wiring unit for testing defects of gate line

connected between the gate pad unit and the gate line,  
testing disconnection and short of the gate line.

6. The liquid crystal display according to claim 5,  
5 wherein the gate pad unit comprises a first gate pad unit  
commonly connected between odd gate lines of the plurality of  
gate lines, receiving signals for driving the odd gate line  
and a second gate pad unit commonly connected between even  
gate lines of the plurality of gate lines, receiving signals  
10 for driving the even gate line.

7. The liquid crystal display according to claim 6,  
wherein the wiring unit for testing defects of gate line  
comprises a first wiring unit for testing defects of gate  
15 line connected between the first gate pad unit and the odd  
gate line, testing disconnection and short of the odd gate  
line and a second wiring unit for testing defects of gate  
line connected between the second gate pad unit and the even  
gate line, testing disconnection and short of the even gate  
20 line.

8. The liquid crystal display according to claim 7,  
wherein the first and the second wiring units for testing  
defects of gate line are formed in a zigzag shape.

9. A liquid crystal display for testing defects of wiring in panel comprising:

a TFT array unit comprising a plurality of gate lines and data lines formed in a matrix shape, having TFT transistors in each pixel at the intersection of the gate line and the data line;

a common voltage pad unit for applying common voltage to common voltage line connected to each pixel; and

a wiring unit for testing defects of common voltage line connected between the common voltage line and the common voltage pad unit, testing disconnection and short of the common voltage line.

10. The liquid crystal display according to claim 9, wherein the common voltage pad unit comprises a first common voltage pad unit commonly connected between odd common voltage line of the plurality of common voltage lines, receiving signals for driving the odd common voltage line and a second common voltage pad unit commonly connected between even common voltage lines of the plurality of common voltage lines, receiving signals for driving the even common voltage line.

11. The liquid crystal display according to claim 10,  
 wherein the wiring unit for testing defects of common voltage  
 line comprises a first wiring unit for testing defects of  
 common voltage line connected between the first common  
 voltage pad unit and the odd common voltage line, testing  
 5 disconnection and short of the odd common voltage line and a  
 second wiring unit for testing defects of common voltage line  
 connected between the second common voltage pad unit and the  
 even common voltage line, testing disconnection and short of  
 10 the even common voltage line.

12. The liquid crystal display according to claim 11,  
 wherein the first and the second wiring units for testing  
 defects of common voltage line are formed in a zigzag shape.